

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Beaman et al.

Application No.: 10/733,523

Confirmation No.: 9060

Filed: December 10, 2003

Art Unit: 1762

For: METHODS AND SYSTEMS FOR
CONTROLLING TEMPERATURE DURING
MICROFEATURE WORKPIECE
PROCESSING, E.G., CVD DEPOSITION

Examiner: D. P. Turocy

INFORMATION DISCLOSURE STATEMENT (IDS)

MS RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement, pursuant to 37 CFR 1.114(c), accompanies the Request for Continued Examination (37 CFR 1.114) submitted herewith.

In accordance with 37 CFR 1.98(a)(2)(ii), Applicants have not submitted copies of U.S. patents and U.S. patent applications. Applicants submit herewith copies of foreign patents and non-patent literature in accordance with 37 CFR 1.98(a)(2).

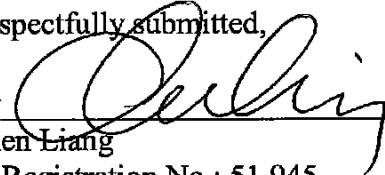
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0665, under Order No. 108298718US.

Dated: 3/9/07

Respectfully submitted,

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/733,523-Conf. #9060
				Filing Date	December 10, 2003
				First Named Inventor	Kevin L. Beaman
				Art Unit	1762
				Examiner Name	D. P. Turocy
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-4,313,783	02-02-1982	Davies et al.	
		US-4,509,456	04-01-1985	Kleinert et al.	
		US-4,593,644	06-10-1986	Hanak	
		US-4,911,638	03-27-1990	Bayne et al.	
		US-4,923,715	05-08-1990	Matsuda et al.	
		US-5,015,330	05-14-1991	Okumura et al.	
		US-5,017,404	05-21-1991	Paquet et al.	
		US-5,020,476	06-04-1991	Bay et al.	
		US-5,062,446	11-05-1991	Anderson	
		US-5,090,985	02-01-1992	Soubeyrand	
		US-5,325,020	06-28-1994	Campbell, deceased et al.	
		US-5,366,557	11-22-1994	Yu	
		US-5,433,787	07-18-1995	Suzuki et al.	
		US-5,575,883	11-19-1996	Nishikawa et al.	
		US-5,769,950	06-23-1998	Takasu et al.	
		US-5,819,683	10-13-1998	Ikeda et al.	
		US-5,866,986	02-02-1999	Pennington	
		US-5,868,159	02-09-1999	Loan et al.	
		US-5,885,425	03-23-1999	Hsieh et al.	
		US-5,902,403	05-11-1999	Aitani et al.	
		US-5,911,238	06-15-1999	Bump et al.	
		US-6,006,694	12-28-1999	DeOrnellas et al.	
		US-6,022,483	02-08-2000	Aral	
		US-6,113,698	09-05-2000	Raaijmakers et al.	
		US-6,142,163	11-07-2000	McMillin et al.	
		US-6,159,297	12-12-2000	Herchen et al.	
		US-6,159,298	12-12-2000	Saito et al.	
		US-6,206,967	03-27-2001	Mak et al.	
		US-20010001952	05-01-2001	Nishizawa et al.	
		US-6,251,190	06-26-2001	Mak et al.	
		US-20010012697	08-09-2001	Mikata	
		US-6,273,954	08-14-2001	Nishikawa et al.	
		US-6,277,763	08-21-2001	Kugimiya et al.	

Examiner Signature		Date Considered	
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
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Sheet	2	of	4	Attorney Docket Number	108298718US

	US-6,328,803	12-11-2001	Rolfson et al.	
	US-20010050267	12-13-2001	Hwang et al.	
	US-6,333,272	12-25-2001	McMillin et al.	
	US-6,334,928	01-01-2002	Sekine et al.	
	US-20020000202	01-03-2002	Yuda et al.	
	US-6,364,219	04-02-2002	Zimmerman et al.	
	US-20020042205	04-11-2002	McMillin et al.	
	US-6,383,300	05-07-2002	Saito et al.	
	US-6,402,806	06-11-2002	Schmitt et al.	
	US-6,402,849	06-11-2002	Kwag et al.	
	US-6,415,736	07-09-2002	Hao et al.	
	US-6,425,168	07-30-2002	Takaku et al.	
	US-20020132374	09-19-2002	Basceri et al.	
	US-20020195145	12-26-2002	Lowery et al.	
	US-6,508,268	01-21-2003	Kouketsu et al.	
	US-20030049372	03-13-2003	Cook et al.	
	US-20030094903	05-22-2003	Tao et al.	
	US-6,585,823	07-01-2003	Van Wijck	
	US-6,638,859	10-28-2003	Sneh et al.	
	US-20030213435	11-20-2003	Okuda et al.	
	US-6,663,713	12-16-2003	Robles et al.	
	US-6,666,982	12-23-2003	Brcka	
	US-20040000270	01-01-2004	Carpenter et al.	
	US-6,689,220	02-10-2004	Nguyen	
	US-20040025786	02-12-2004	Kontani et al.	
	US-20050061243	03-24-2005	Sarigiannis et al.	
	US-20040089240	05-13-2004	Dando et al.	
	US-6,734,020	05-11-2004	Lu et al.	
	US-6,770,145	08-03-2004	Saito et al.	
	US-6,807,971	10-26-2004	Saito et al.	
	US-6,818,067	11-16-2004	Doering et al.	
	US-20040238123	12-02-2004	Becknell et al.	
	US-6,830,652	12-14-2004	Ohmi et al.	
	US-6,845,734	01-25-2005	Carpenter et al.	
	US-20050016956	01-27-2005	Liu et al.	
	US-6,849,131	02-01-2005	Chen et al.	

Examiner Signature		Date Considered	
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
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	US-20050048742	03/2005	Dip et al.	
	US-6,881,295	04-19-2005	Nagakura et al.	
	US-6,887,521	05-03-2005	Basceri	
	US-6,905,547	06-14-2005	Londergan et al.	
	US-6,905,549	06-14-2005	Okuda et al.	
	US-20050217582	10-06-2005	Kim et al.	
	US-6,966,936	11-22-2005	Yamasaki et al.	
	US-6,991,684	01-31-2006	Kannan et al.	
	US-7,022,184	04-04-2006	Van Wijck et al.	
	US-20060115957	06-01-2006	Basceri et al.	
	US-7,056,806	06-06-2006	Basceri et al.	
	US-20060121689	06-08-2006	Basceri et al.	
	US-20060134345	06-22-2006	Rueger et al.	
	US-20060165873	07-27-2006	Rueger et al.	
	US-7,086,410	08-08-2006	Chouno et al.	
	US-20060198955	09-07-2006	Zheng et al.	
	US-20060204649	09-14-2006	Beaman et al.	
	US-20060205187	09-14-2006	Zheng et al.	
	US-20060213440	09-28-2006	Zheng et al.	
	US-20060237138	10-26-2006	Qin	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		JP-63111177	05-16-1988	Hitachi Ltd		
		JP-63020490	01-28-1988	Toshiba Corp.		
		JP-06342785	12-13-1994	Fujitsu Ltd		
		JP-6481311	03-01-1989	Masao Mikami		
		JP-06201539	07-19-1994	Kitsuta Yasuo		
		WO-0132966	05-10-2001	Zakrytoe Aktsionernoe Obschestvo et al.		

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Sheet	4	of	4	Attorney Docket Number	108298718US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
		Aera Corporation, "Fundamentals of Mass Flow Control," 1 page, retrieved from the Internet on March 6, 2003, < http://www.aeramfc.com/funda.shtml >.		
		EMCO Flow Systems, "Mach One Mass Flow Controllers", 1 page, retrieved from the Internet on November 7, 2003, < http://emcoflow.com/mach-one.htm >.		
		EMCO Flow Systems, Mach One Mass Flow Controller Product Brochure, 6 pages, retrieved from the Internet on November 7, 2003, < http://www.emcoflow.com/literature/brochures_product_sheets/mach_one/mach_one_brochure_2_01.pdf >.		
		SemiZone, "EMCO Flow Systems Granted Patent for the Mach One Mass Flow Controller for the Semiconductor Industry (June 28, 2001)", 2 pages, retrieved from the Internet on November 7, 2003, < http://www.semizone.com/news/item?news_item_id=100223 >.		
		MKS Instruments, Data Sheet, Downstream Plasma Source, Type AX7610, 4 pages, December 2002, < http://www.mksinst.com/docs/UR/ASTEXax7610DS.pdf >.		
		MKS Instruments, ASTeX® Microwave Plasma Sources and Subsystems, 1 page, retrieved from the Internet on November 19, 2004, < http://www.mksinst.com/PRG2.html >.		

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